

Title (en)

Digital-information transmission method for communication-switching systems.

Title (de)

Verfahren zur digitalen Informations-übertragung für Kommunikations-Vermittlungssysteme.

Title (fr)

Procédé de transmission d'informations numériques pour systèmes de commutation de communications.

Publication

EP 0343319 B1 19940615 (DE)

Application

EP 89102404 A 19890211

Priority

DE 3817407 A 19880521

Abstract (en)

[origin: EP0343319A2] On a serial bus configured in ring structure, to which several series-connected transmitting and receiving stations and a central ring control are connected, the possibility is to be provided to switch through information items of more than two different switching categories on the same transmission medium. In this connection, so-called broadband channels are formed which can either be reserved for a connection-related or line-related synchronous channel allocation or are made available for the asynchronous switching of data packaged in variable-length packets. Given these prerequisites, the possibility is to be provided to switch through packets of a third switching category. The information of the third switching category, packaged in packets of uniform length is also asynchronously switched through in that some of the broadband channels reserved for the synchronous type of switching through but not yet used are occupied for this purpose. In this connection, all stations transmitting and receiving the third switching category are informed by transmitting signalling data as to the broadband channels in which information items of this third switching category can be transmitted and received. The transmissions of the information items packaged in packets of uniform length in accordance with the scheme of the third switching category over the same transmission medium are made possible without having to carry out modifications in a standard defined for the mixed transmission of synchronous and asynchronous information items. <IMAGE>

IPC 1-7

H04L 12/28; **H04L 12/54**

IPC 8 full level

H04L 12/28 (2006.01); **H04L 12/43** (2006.01); **H04L 12/54** (2006.01); **H04L 12/64** (2006.01)

CPC (source: EP)

H04L 12/43 (2013.01); **H04L 12/6418** (2013.01); **H04L 2012/6435** (2013.01); **H04L 2012/6437** (2013.01); **H04L 2012/6459** (2013.01)

Cited by

EP0624044A3; US5654969A; EP0462349A1; EP0510290A1; US5327428A; WO9414255A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL

DOCDB simple family (publication)

EP 0343319 A2 19891129; **EP 0343319 A3 19910313**; **EP 0343319 B1 19940615**; AT E107450 T1 19940715; DE 3817407 A1 19891130; DE 3817407 C2 19901220; DE 58907876 D1 19940721; ES 2056973 T3 19941016

DOCDB simple family (application)

EP 89102404 A 19890211; AT 89102404 T 19890211; DE 3817407 A 19880521; DE 58907876 T 19890211; ES 89102404 T 19890211